

## Modeling 201010 Clothianidin NU Cotton Seed Mustard Seed

Clothianidin cotton seed application rate = 0.0633 lb ai / A.

Assumptions:

4500 seeds / pound

81000 seeds / acre

Seed treatment rate = 2.4 fl oz / 100,000 (cwt) seed; PONCHO /VOTiVO contains 4.17 pounds clothianidin per gallon (40.3% clothianidin).

Clothianidin mustard seed application rate = 0.0288 lb ai / A.

Assumptions:

7 lbs seed / acre

Seed treatment rate = 21.5 fl oz product (0.40 lbs ai) / 100,000 (cwt) seed; Prosper T400 contains 2.38 pounds clothianidin per gallon (21.75% clothianidin).

Day of Application (mm-dd)	CA Cotton = 04-24 MS Cotton = 04-24 NC Cotton = 05-25 ND Canola = 05-09
----------------------------	--

## Complete Summary of Pesticide Application Data – CAM 8 + Others EXPRESS Project Updated with new Aerobic Aquatic Metabolism value for input

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status: 
 Current Crop Number: 
[Select Crop](#)




 Total Number of Crops:   
 Total Unmodified Crops:

Index Reservoir PCA (%)

Number of Applications

Application Timing 
 Application Method

Application Units ☐ kg/ha ☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	0			1	4.00	0.20000	1.00	6.40	99.00

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status: 
 Current Crop Number: 
[Select Crop](#)




 Total Number of Crops:   
 Total Unmodified Crops:

Index Reservoir PCA (%)

Number of Applications

Application Timing 
 Application Method

Application Units ☐ kg/ha ☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	0			8	1.27	0.28000E-01	0.00	0.00	100.00

## Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status: 
 Current Crop Number: 
[Select Crop](#)
[First](#) [Back](#) [Next](#) [Last](#)
 Total Number of Crops:   
 Total Unmodified Crops:

Index Reservoir PCA (%)

Number of Applications

Application Timing 
 Application Method

Application Units ☐ kg/ha ☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	0	<input type="text" value="1"/>	<input type="text" value="1"/>	1	4.00	0.20000	0.00	0.00	100.00

## Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status: 
 Current Crop Number: 
[Select Crop](#)
[First](#) [Back](#) [Next](#) [Last](#)
 Total Number of Crops:   
 Total Unmodified Crops:

Index Reservoir PCA (%)

Number of Applications

Application Timing 
 Application Method

Application Units ☐ kg/ha ☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	0	<input type="text" value="1"/>	<input type="text" value="1"/>	8	3.80	0.11000E-01	0.00	0.00	100.00

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status:	Current Crop Number:	Select Crop	Total Number of Crops:	27
MS Corn MLRA-134, Unmodified	5	<div style="display: inline-block; border: 1px solid black; padding: 2px;">First</div> <div style="display: inline-block; border: 1px solid black; padding: 2px;">Back</div> <div style="display: inline-block; border: 1px solid black; padding: 2px;">Next</div> <div style="display: inline-block; border: 1px solid black; padding: 2px;">Last</div>	Total Unmodified Crops:	27
Index Reservoir PCA (%)	46.00			
Number of Applications	1			
Application Timing	Relative to Planting		Application Method	Other Equipment
Application Units	<input type="radio"/> kg/ha <input checked="" type="radio"/> lb/acre			

  

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	0	÷		8	3.80	0.11000E-01	0.00	0.00	100.00

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status:	Current Crop Number:	Select Crop	Total Number of Crops:	27
NC Corn - E MLRA-153A, Unmodified	6	<div style="display: inline-block; border: 1px solid black; padding: 2px;">First</div> <div style="display: inline-block; border: 1px solid black; padding: 2px;">Back</div> <div style="display: inline-block; border: 1px solid black; padding: 2px;">Next</div> <div style="display: inline-block; border: 1px solid black; padding: 2px;">Last</div>	Total Unmodified Crops:	27
Index Reservoir PCA (%)	46.00			
Number of Applications	1			
Application Timing	Relative to Planting		Application Method	Other Equipment
Application Units	<input type="radio"/> kg/ha <input checked="" type="radio"/> lb/acre			

  

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	0	÷		8	3.80	0.11000E-01	0.00	0.00	100.00

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status:

Current Crop Number:

Select Crop

Total Number of Crops:

27

OH Corn MLRA-111, Unmodified

7

First

Back

Next

Last

Total Unmodified Crops:

27

Index Reservoir PCA (%)

46.00

Number of Applications

1

Application Timing

Relative to Planting

Application Method

Other Equipment

Application Units

☐ kg/ha

☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %	
Application 1	0			8	3.80	0.11000E-01	0.00	0.00	100.00	

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status:

Current Crop Number:

Select Crop

Total Number of Crops:

27

PA Corn MLRA-148, Unmodified

8

First

Back

Next

Last

Total Unmodified Crops:

27

Index Reservoir PCA (%)

46.00

Number of Applications

1

Application Timing

Relative to Planting

Application Method

Other Equipment

Application Units

☐ kg/ha

☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %	
Application 1	0			8	3.80	0.11000E-01	0.00	0.00	100.00	

## Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)
- ☒ Select/specify different application parameters for each crop

Current Crop and Status:

Current Crop Number:

Select Crop

Total Number of Crops:

27

CA Cotton MLRA-17, Unmodified

9

First

Back

Next

Last

Total Unmodified Crops:

27

Index Reservoir PCA (%)

20.00

Number of Applications

1

Application Timing

Relative to Planting

Application Method

Other Equipment

Application Units

☐ kg/ha

☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	0			8	1.27	0.63300E-01	0.00	0.00	100.00

## Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)
- ☒ Select/specify different application parameters for each crop

Current Crop and Status:

Current Crop Number:

Select Crop

Total Number of Crops:

27

MS Cotton MLRA-134, Unmodified

10

First

Back

Next

Last

Total Unmodified Crops:

27

Index Reservoir PCA (%)

20.00

Number of Applications

1

Application Timing

Relative to Planting

Application Method

Other Equipment

Application Units

☐ kg/ha

☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	0			8	1.27	0.63300E-01	0.00	0.00	100.00

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status: 
 Current Crop Number: 

[Select Crop](#)  
[First](#) [Back](#) [Next](#) [Last](#)

 Total Number of Crops:   
 Total Unmodified Crops:

Index Reservoir PCA (%)

Number of Applications

Application Timing 
 Application Method

Application Units ☐ kg/ha ☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	0			8	1.27	0.63300E-01	0.00	0.00	100.00

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status: 
 Current Crop Number: 

[Select Crop](#)  
[First](#) [Back](#) [Next](#) [Last](#)

 Total Number of Crops:   
 Total Unmodified Crops:

Index Reservoir PCA (%)

Number of Applications

Application Timing 
 Application Method

Application Units ☐ kg/ha ☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	10			1	4.00	0.20000	1.00	6.40	99.00

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status:

Current Crop Number:

Select Crop

Total Number of Crops:

27

CA Grape MLRA-17, Unmodified

13

First

Back

Next

Last

Total Unmodified Crops:

27

Index Reservoir PCA (%)

87.00

Number of Applications

1

Application Timing

Relative to Emergence

Application Method

Ground Sprayer

Application Units

☐ kg/ha

☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	10	÷		1	4.00	0.20000	1.00	6.40	99.00

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status:

Current Crop Number:

Select Crop

Total Number of Crops:

27

NY Grape MLRA-100/101, Unmodified

14

First

Back

Next

Last

Total Unmodified Crops:

27

Index Reservoir PCA (%)

87.00

Number of Applications

1

Application Timing

Relative to Emergence

Application Method

Ground Sprayer

Application Units

☐ kg/ha

☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	10	÷		1	4.00	0.20000	1.00	6.40	99.00



### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status:	Current Crop Number:	Select Crop	Total Number of Crops:	27
CA Lettuce MLRA-14, Unmodified	15	<input type="button" value="First"/> <input type="button" value="Back"/> <input type="button" value="Next"/> <input type="button" value="Last"/>	Total Unmodified Crops:	27
Index Reservoir PCA (%)	87.00			
Number of Applications	1			
Application Timing	Relative to Emergence		Application Method	Ground Sprayer
Application Units	<input type="radio"/> kg/ha <input checked="" type="radio"/> lb/acre			

  

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	10			1	4.00	0.20000	1.00	6.40	99.00

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status:	Current Crop Number:	Select Crop	Total Number of Crops:	27
CA Onions MLRA-17, Unmodified	16	<input type="button" value="First"/> <input type="button" value="Back"/> <input type="button" value="Next"/> <input type="button" value="Last"/>	Total Unmodified Crops:	27
Index Reservoir PCA (%)	87.00			
Number of Applications	1			
Application Timing	Relative to Planting		Application Method	Other Equipment
Application Units	<input type="radio"/> kg/ha <input checked="" type="radio"/> lb/acre			

  

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	0			8	1.27	0.20000	0.00	0.00	100.00

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status:	Current Crop Number:	Select Crop	Total Number of Crops:	27
GA Onions MLRA-153A/133A, Unmodified	17	First Back Next Last	Total Unmodified Crops:	27
Index Reservoir PCA (%) <input type="text" value="87.00"/>				
Number of Applications <input type="text" value="1"/>				
Application Timing <input type="text" value="Relative to Planting"/>		Application Method <input type="text" value="Other Equipment"/>		
Application Units <input type="radio"/> kg/ha <input checked="" type="radio"/> lb/acre				

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	0			8	1.27	0.48400	0.00	0.00	100.00

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status:	Current Crop Number:	Select Crop	Total Number of Crops:	27
FL Peppers MLRA-156A, Unmodified	18	First Back Next Last	Total Unmodified Crops:	27
Index Reservoir PCA (%) <input type="text" value="87.00"/>				
Number of Applications <input type="text" value="1"/>				
Application Timing <input type="text" value="Relative to Planting"/>		Application Method <input type="text" value="Other Equipment"/>		
Application Units <input type="radio"/> kg/ha <input checked="" type="radio"/> lb/acre				

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	0			8	1.27	0.21000	0.00	0.00	100.00

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status:

Current Crop Number:

Select Crop

Total Number of Crops:

27

ID Potato MLRA-11B, Unmodified

19

First

Back

Next

Last

Total Unmodified Crops:

27

Index Reservoir PCA (%)

87.00

Number of Applications

1

Application Timing

Relative to Planting

Application Method

Other Equipment

Application Units

☐ kg/ha

☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	0			8	6.35	0.20000	0.00	0.00	100.00

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status:

Current Crop Number:

Select Crop

Total Number of Crops:

27

ME Potato MLRA-146, Unmodified

20

First

Back

Next

Last

Total Unmodified Crops:

27

Index Reservoir PCA (%)

87.00

Number of Applications

1

Application Timing

Relative to Planting

Application Method

Other Equipment

Application Units

☐ kg/ha

☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	0			8	6.35	0.20000	0.00	0.00	100.00

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)
- ☒ Select/specify different application parameters for each crop

Current Crop and Status:

Current Crop Number:

Select Crop

Total Number of Crops:

27

MS Soybean MLRA-134, Unmodified

21

First

Back

Next

Last

Total Unmodified Crops:

27

Index Reservoir PCA (%)

41.00

Number of Applications

1

Application Timing

Relative to Planting

Application Method

Other Equipment

Application Units

☐ kg/ha

☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	0			8	3.17	0.50000E-01	0.00	0.00	100.00

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)
- ☒ Select/specify different application parameters for each crop

Current Crop and Status:

Current Crop Number:

Select Crop

Total Number of Crops:

27

NC Tobacco MLRA-133A, Unmodified

22

First

Back

Next

Last

Total Unmodified Crops:

27

Index Reservoir PCA (%)

87.00

Number of Applications

3

Application Timing

Relative to Emergence

Application Method

Ground Sprayer

Application Units

☐ kg/ha

☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	14			2	4.00	0.10000	1.00	6.40	99.00
Application 2	21			2	4.00	0.50000E-01	1.00	6.40	99.00
Application 3	28			2	4.00	0.50000E-01	1.00	6.40	99.00

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status: 
 Current Crop Number: 

[Select Crop](#)  


 Total Number of Crops:   
 Total Unmodified Crops:

Index Reservoir PCA (%)

Number of Applications

Application Timing 
 Application Method

Application Units ☐ kg/ha ☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	0			8	1.59	0.60000E-01	0.00	0.00	100.00

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status: 
 Current Crop Number: 

[Select Crop](#)  


 Total Number of Crops:   
 Total Unmodified Crops:

Index Reservoir PCA (%)

Number of Applications

Application Timing 
 Application Method

Application Units ☐ kg/ha ☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	0			8	1.59	0.60000E-01	0.00	0.00	100.00

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status:

Current Crop Number:

Select Crop

Total Number of Crops:

27

FL Turf MLRA-155, Unmodified

25

First

Back

Next

Last

Total Unmodified Crops:

27

Index Reservoir PCA (%)

87.00

Number of Applications

1

Application Timing

Relative to Emergence

Application Method

Aerial

Application Units

☐ kg/ha

☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	30			2	4.00	0.40000	5.00	16.00	95.00

### Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status:

Current Crop Number:

Select Crop

Total Number of Crops:

27

PA Turf MLRA-148, Unmodified

26

First

Back

Next

Last

Total Unmodified Crops:

27

Index Reservoir PCA (%)

87.00

Number of Applications

1

Application Timing

Relative to Emergence

Application Method

Aerial

Application Units

☐ kg/ha

☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	30			2	4.00	0.40000	5.00	16.00	95.00

## Pesticide Application Data

- ☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

Current Crop and Status:

ND Wheat MLRA-56, Unmodified

Current Crop Number:

27

Select Crop

First

Back

Next

Last

Total Number of Crops:

27

Total Unmodified Crops:

27

Index Reservoir PCA (%)

56.00

Number of Applications

1

Application Timing

Relative to Planting

Application Method

Other Equipment

Application Units

☐ kg/ha

☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %	
Application 1	0			8	2.86	0.10500	0.00	0.00	100.00	

**Pesticide Application Data**

☐ Select/specify the same application parameters for all crops (PCA, dates, rates, timing, etc.)  
☒ Select/specify different application parameters for each crop

---

Current Crop and Status: 
 Current Crop Number: 

[Select Crop](#)  


 Total Number of Crops:   
 Total Unmodified Crops:

Index Reservoir PCA (%)

Number of Applications

Application Timing: 
 Application Method:

Application Units: ☐ kg/ha ☒ lb/acre

	Days Rel.	Day	Month	CAM	Incorp. (cm)	Rate	Drift Pond %	Drift Res. %	Efficiency %
Application 1	0			8	1.27	0.63300E-01	0.00	0.00	100.00

Figure 1. Second set of runs, CAM = 8 (example pesticide application data)



**Table 1.** . Mostly CAM = 8 plus some CAM = 1 or 2 runs (pond water).

**Upper 10th Percentile Limnetic EECs in Farm Pond**  
**Chemical - Clothianidin**

Scenarios	Instantaneous	96-Hour	21-Day	60-Day	90-Day	Annual
RUN ID: FL1Car-P	17.4	17.2	16.8	15.9	14.4	9.15
RUN ID: GA1Oni-P	16.7	16.7	16.5	16.1	15.8	10.8
RUN ID: FL1Cuc-P	10.8	10.8	10.6	10.2	8.85	6.13
RUN ID: CA1Let-P	7.33	7.30	7.15	6.86	6.67	5.26
RUN ID: FL1Pep-P	5.79	5.75	5.62	5.30	5.11	3.41
RUN ID: FL1Cbb-P	5.58	5.54	5.43	5.22	4.82	3.42
RUN ID: PA1Tur-P	4.47	4.46	4.39	4.28	4.14	3.41
RUN ID: FL1Tur-P	3.05	3.04	2.97	2.85	2.76	2.17
RUN ID: NY2Gra-P	2.26	2.25	2.23	2.16	2.13	1.65
RUN ID: NC1Ctt-P	1.57	1.55	1.53	1.48	1.45	1.15
RUN ID: MS1Ctt-P	1.47	1.46	1.42	1.36	1.31	0.958
RUN ID: CA1Gra-P	1.11	1.10	1.08	1.02	0.993	0.701
RUN ID: NC1Tba-P	0.983	0.977	0.955	0.935	0.916	0.693
RUN ID: CA1Oni-P	0.529	0.526	0.515	0.492	0.478	0.360
RUN ID: FL1Tma-P	0.525	0.521	0.505	0.483	0.472	0.339
RUN ID: PA1Tma-P	0.399	0.397	0.389	0.375	0.364	0.302
RUN ID: ND1Cno-P	0.259	0.258	0.254	0.244	0.238	0.191
RUN ID: CA1Ctt-P	0.143	0.143	0.142	0.139	0.137	0.112
RUN ID: IL1Cor-P	0.00	0.00	0.00	0.00	0.00	0.00
RUN ID: MS1Cor-P	0.00	0.00	0.00	0.00	0.00	0.00
RUN ID: NC1Cor-P	0.00	0.00	0.00	0.00	0.00	0.00
RUN ID: OH1Cor-P	0.00	0.00	0.00	0.00	0.00	0.00
RUN ID: PA1Cor-P	0.00	0.00	0.00	0.00	0.00	0.00
RUN ID: ID1Pot-P	0.00	0.00	0.00	0.00	0.00	0.00
RUN ID: ME1Pot-P	0.00	0.00	0.00	0.00	0.00	0.00
RUN ID: MS1Syb-P	0.00	0.00	0.00	0.00	0.00	0.00
RUN ID: ND1Whe-P	0.00	0.00	0.00	0.00	0.00	0.00

Express v. 1.03.02 (2007-07-20) - Exams 2.98.04.06 with PRZM 3.12.2[48]

**Table 2.** Mostly CAM = 8 plus some CAM = 1 or 2 runs (pond benthic).

Upper 10th Percentile Benthic EECs in Farm Pond

Chemical - Clothianidin

Scenarios	Instantaneous	96-Hour	21-Day	60-Day	90-Day	Annual
RUN ID: GA1Oni-P	11.8	11.8	11.8	11.1	9.97	7.30
RUN ID: FL1Car-P	9.47	9.46	9.38	9.14	8.81	6.46
RUN ID: FL1Cuo-P	6.05	6.03	5.77	5.48	5.42	4.21
RUN ID: CA1Let-P	4.67	4.67	4.66	4.64	4.62	3.96
RUN ID: FL1Cbb-P	3.45	3.45	3.44	3.14	2.80	2.22
RUN ID: FL1Pep-P	3.12	3.12	3.11	3.05	2.98	2.11
RUN ID: PA1Tur-P	2.85	2.85	2.84	2.81	2.77	2.62
RUN ID: NY2Gra-P	1.89	1.87	1.80	1.65	1.60	1.38
RUN ID: FL1Tur-P	1.82	1.82	1.82	1.80	1.77	1.47
RUN ID: NC1Ctt-P	0.999	0.999	0.999	0.997	0.988	0.844
RUN ID: MS1Ctt-P	0.810	0.810	0.808	0.801	0.791	0.694
RUN ID: CA1Gra-P	0.600	0.600	0.600	0.591	0.578	0.443
RUN ID: NC1Tba-P	0.584	0.584	0.584	0.582	0.578	0.510
RUN ID: CA1Oni-P	0.323	0.323	0.322	0.318	0.315	0.241
RUN ID: FL1Tma-P	0.288	0.288	0.287	0.283	0.279	0.216
RUN ID: PA1Tma-P	0.284	0.284	0.284	0.282	0.278	0.221
RUN ID: ND1Cno-P	0.173	0.173	0.173	0.172	0.171	0.152
RUN ID: CA1Ctt-P	0.109	0.109	0.109	0.109	0.107	0.710E-01
RUN ID: IL1Cor-P	0.00	0.00	0.00	0.00	0.00	0.00
RUN ID: MS1Cor-P	0.00	0.00	0.00	0.00	0.00	0.00
RUN ID: NC1Cor-P	0.00	0.00	0.00	0.00	0.00	0.00
RUN ID: OH1Cor-P	0.00	0.00	0.00	0.00	0.00	0.00
RUN ID: PA1Cor-P	0.00	0.00	0.00	0.00	0.00	0.00
RUN ID: ID1Pot-P	0.00	0.00	0.00	0.00	0.00	0.00
RUN ID: ME1Pot-P	0.00	0.00	0.00	0.00	0.00	0.00
RUN ID: MS1Syb-P	0.00	0.00	0.00	0.00	0.00	0.00
RUN ID: ND1Whe-P	0.00	0.00	0.00	0.00	0.00	0.00

Express u. 1.0302 (2007-07-20) - Exams 2.98.04.06 with PRZM 3.12.2[48]

**Table 3.** Mostly CAM = 5 plus some CAM = 1 or 2 runs (pond water ).

**Upper 10th Percentile Limnetic EECs in Farm Pond**  
**Chemical - Clothianidin**

Scenarios	Instantaneous	96-Hour	21-Day	60-Day	90-Day	Annual
RUN ID: GA1Oni-P	31.4	31.2	30.6	29.3	27.9	18.6
RUN ID: FL1Car-P	17.4	17.2	16.8	15.9	14.4	9.15
RUN ID: FL1Cuc-P	10.8	10.8	10.6	10.2	8.85	6.13
RUN ID: FL1Pep-P	10.6	10.6	10.4	9.85	9.44	6.06
RUN ID: CA1Let-P	7.33	7.30	7.15	6.86	6.67	5.26
RUN ID: FL1Cbb-P	5.58	5.54	5.43	5.22	4.82	3.42
RUN ID: PA1Tur-P	4.47	4.46	4.39	4.28	4.14	3.41
RUN ID: FL1Tur-P	3.05	3.04	2.97	2.85	2.76	2.17
RUN ID: NC1Ctt-P	3.00	2.98	2.91	2.82	2.76	2.18
RUN ID: MS1Ctt-P	2.80	2.78	2.74	2.62	2.53	1.85
RUN ID: NY2Gra-P	2.26	2.25	2.23	2.16	2.13	1.65
RUN ID: FL1Tma-P	1.15	1.14	1.11	1.07	1.06	0.829
RUN ID: CA1Gra-P	1.11	1.10	1.08	1.02	0.993	0.701
RUN ID: MS1Syb-P	1.07	1.07	1.05	1.01	0.976	0.708
RUN ID: CA1Oni-P	1.07	1.06	1.04	0.997	0.967	0.729
RUN ID: PA1Tma-P	0.998	0.998	0.978	0.943	0.916	0.759
RUN ID: NC1Tba-P	0.983	0.977	0.955	0.935	0.916	0.693
RUN ID: ND1Whe-P	0.796	0.793	0.782	0.770	0.757	0.629
RUN ID: ND1Cno-P	0.491	0.488	0.480	0.462	0.450	0.367
RUN ID: CA1Ctt-P	0.310	0.309	0.306	0.300	0.296	0.224
RUN ID: ME1Pot-P	0.265	0.265	0.264	0.260	0.258	0.214
RUN ID: MS1Cor-P	0.152	0.151	0.148	0.141	0.137	0.106
RUN ID: IL1Cor-P	0.672E-01	0.668E-01	0.663E-01	0.641E-01	0.623E-01	0.508E-01
RUN ID: OH1Cor-P	0.556E-01	0.553E-01	0.539E-01	0.524E-01	0.510E-01	0.438E-01
RUN ID: PA1Cor-P	0.369E-01	0.367E-01	0.362E-01	0.351E-01	0.344E-01	0.302E-01
RUN ID: ID1Pot-P	0.313E-01	0.312E-01	0.311E-01	0.306E-01	0.303E-01	0.228E-01
RUN ID: NC1Cor-P	0.305E-01	0.304E-01	0.302E-01	0.296E-01	0.292E-01	0.224E-01

Express v. 1.03.02 (2007-07-20) - Exams 2.98.04.06 with PRZM 3.12.2[48]

**Table 4.** Mostly CAM = 5 plus some CAM = 1 or 2 runs (pond benthic).

**Upper 10th Percentile Benthic EECs in Farm Pond**  
**Chemical - Clothianidin**

Scenarios	Instantaneous	96-Hour	21-Day	60-Day	90-Day	Annual
RUN ID: GA1Oni-P	20.8	20.8	20.7	19.5	17.4	12.5
RUN ID: FL1Car-P	9.47	9.46	9.38	9.14	8.81	6.46
RUN ID: FL1Cuc-P	6.05	6.03	5.77	5.48	5.42	4.21
RUN ID: FL1Pep-P	5.78	5.78	5.75	5.64	5.52	3.81
RUN ID: CA1Let-P	4.67	4.67	4.66	4.64	4.62	3.96
RUN ID: FL1Cbb-P	3.45	3.45	3.44	3.14	2.80	2.22
RUN ID: PA1Tur-P	2.85	2.85	2.84	2.81	2.77	2.62
RUN ID: NC1Ctt-P	1.90	1.89	1.89	1.88	1.86	1.62
RUN ID: NY2Gra-P	1.89	1.87	1.80	1.65	1.60	1.38
RUN ID: FL1Tur-P	1.82	1.82	1.82	1.80	1.77	1.47
RUN ID: MS1Ctt-P	1.58	1.58	1.58	1.56	1.54	1.36
RUN ID: FL1Tma-P	0.766	0.766	0.764	0.753	0.743	0.573
RUN ID: PA1Tma-P	0.717	0.717	0.717	0.711	0.708	0.573
RUN ID: CA1Oni-P	0.657	0.657	0.657	0.650	0.643	0.492
RUN ID: MS1Syb-P	0.609	0.609	0.607	0.601	0.592	0.451
RUN ID: CA1Gra-P	0.600	0.600	0.600	0.591	0.578	0.443
RUN ID: NC1Tba-P	0.584	0.584	0.584	0.582	0.578	0.510
RUN ID: ND1Whe-P	0.581	0.581	0.580	0.577	0.575	0.510
RUN ID: ND1Cno-P	0.332	0.332	0.332	0.330	0.329	0.293
RUN ID: CA1Ctt-P	0.216	0.216	0.216	0.214	0.212	0.151
RUN ID: ME1Pot-P	0.205	0.205	0.205	0.204	0.202	0.167
RUN ID: MS1Cor-P	0.932E-01	0.930E-01	0.925E-01	0.908E-01	0.888E-01	0.766E-01
RUN ID: IL1Cor-P	0.432E-01	0.432E-01	0.432E-01	0.430E-01	0.428E-01	0.385E-01
RUN ID: OH1Cor-P	0.394E-01	0.394E-01	0.394E-01	0.391E-01	0.385E-01	0.311E-01
RUN ID: PA1Cor-P	0.266E-01	0.266E-01	0.265E-01	0.262E-01	0.258E-01	0.227E-01
RUN ID: ID1Pot-P	0.222E-01	0.222E-01	0.222E-01	0.220E-01	0.217E-01	0.171E-01
RUN ID: NC1Cor-P	0.188E-01	0.188E-01	0.187E-01	0.185E-01	0.182E-01	0.164E-01

Express v. 1.03.02 (2007-07-20) - Exams 2.98.04.06 with PRZM 3.12.2[48]